INTERNATIONAL SEARCH REPORT

Internation I Application No PCT/ 3/33006

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CLASSIFICATION OF SUBJECT MATT PC 7 B01D53/04 CC Rec'd PCT/PTO 15 APR 2005 CO1B31/20 B01J20/06 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 BOID COIB B01J Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category 9 Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X EP 0 952 111 A (PRAXAIR TECHNOLOGY INC) 1-17 27 October 1999 (1999-10-27) page 8, line 45 - line 58; figure 5 EP 0 698 577 A (BOC GROUP INC) X 1 - 1728 February 1996 (1996-02-28) column 4, line 14 - line 45; claim 1 X US 2002/041842 A1 (FARRAUTO ROBERT J ET 1-17 AL) 11 April 2002 (2002-04-11) paragraph '0012! paragraph '0030!; claims 1,3 Further documents are listed in the continuation of box C. X Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 11 March 2004 19/03/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-7, 9-17

Present claims 1-7 and 9-17 relate to an extremely large number of methods. Support within the meaning of Article 6 PCT and disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the methods claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the method for removing contaminants from a stream of carbon dioxide comprising contact with the mixed oxides cited on pages 8-11 of the description.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.



Box I	Observations where certain claims were found unsearchable (Continuation of Item 1 of Iirst sheet)					
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:						
	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:					
ليسا	Claims Nos.: 1-7, 9-17 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: see FURTHER INFORMATION sheet PCT/ISA/210					
	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).					
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)					
This Inter	rnational Searching Authority found multiple inventions in this international application, as follows:					
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.					
	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.					
	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:					
4	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:					
Remark	on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.					

INTERNATIONAL SEARCH REPORT

n on patent family members

PCT/US 3/33006

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